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13 and 14	42

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**Refine Search:**

13 and 14

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<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	13 and 14	42	<u>L5</u>
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USPT,PGPB,JPAB,EPAB,DWPI,TDBD	11 and 12	1024	<u>L3</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	ultraviolet	187554	<u>L2</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	sunscreen?	2888	<u>L1</u>

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**Search Results - Record(s) 1 through 42 of 42 returned.**☐ 1. Document ID: US 6337320 B1

L5: Entry 1 of 42

File: USPT

Jan 8, 2002

US-PAT-NO: 6337320

DOCUMENT-IDENTIFIER: US 6337320 B1

TITLE: Reparatives for ultraviolet radiation skin damage

DATE-ISSUED: January 8, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hersh; Theodore	Atlanta	GA		
Warshaw; Michael A.	Savannah	GA		

US-CL-CURRENT: 514/18; 424/40, 514/2, 514/844

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 2. Document ID: US 6323219 B1

L5: Entry 2 of 42

File: USPT

Nov 27, 2001

US-PAT-NO: 6323219

DOCUMENT-IDENTIFIER: US 6323219 B1

TITLE: Methods for treating immunomediated inflammatory disorders

DATE-ISSUED: November 27, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Costanzo; Michael J.	Ivyland	PA		

US-CL-CURRENT: 514/317; 514/179, 514/263, 514/321, 514/826

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 6306834 B1

L5: Entry 3 of 42

File: USPT

Oct 23, 2001

US-PAT-NO: 6306834

DOCUMENT-IDENTIFIER: US 6306834 B1

TITLE: Acyl deoxyribonucleoside derivatives and uses thereof

DATE-ISSUED: October 23, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
von Borstel; Reid Warren	Darnestown	MD		
Bamat; Michael Kevin	Darnestown	MD		

US-CL-CURRENT: 514/45; 514/46, 514/49, 514/50, 536/27.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 6297222 B1

L5: Entry 4 of 42

File: USPT

Oct 2, 2001

US-PAT-NO: 6297222

DOCUMENT-IDENTIFIER: US 6297222 B1

TITLE: Acyl deoxyribonucleoside derivatives and uses thereof

DATE-ISSUED: October 2, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
von Borstel; Reid Warren	Darnestown	MD		
Bamat; Michael Kevin	Darnestown	MD		

US-CL-CURRENT: 514/45; 514/46, 514/49, 514/50, 536/27.1, 536/27.21, 536/27.8,  
536/28.1, 536/28.4, 536/28.5

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 5. Document ID: US 6261544 B1

L5: Entry 5 of 42

File: USPT

Jul 17, 2001

US-PAT-NO: 6261544

DOCUMENT-IDENTIFIER: US 6261544 B1

TITLE: Poly(hydroxy acid)/polymer conjugates for skin applications

DATE-ISSUED: July 17, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Coury; Arthur J.	Boston	MA		
Avila; Luis Z.	Arlington	MA		
Pathak; Chandrashekhar P.	Waltham	MA		
Barman; Shikha P.	Lowell	MA		

US-CL-CURRENT: 424/78.02; 424/401, 424/405, 424/407, 424/420, 424/43, 424/47, 424/486,  
424/59, 424/65, 424/69, 424/78.03, 424/78.05, 424/78.06, 424/78.07, 424/78.17,  
424/78.18, 424/78.19, 514/772.1, 514/772.3, 514/772.4, 514/772.5, 514/772.6,  
514/772.7, 514/830, 514/887, 514/919, 514/944, 514/945, 514/947, 514/969, 525/411,  
525/413, 525/450

Full	Title	Citation	Front	Review	Classification	Date	Reference
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RWMC	Draw Desc	Image
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☐ 6. Document ID: US 6251878 B1

L5: Entry 6 of 42

File: USPT

Jun 26, 2001

US-PAT-NO: 6251878

DOCUMENT-IDENTIFIER: US 6251878 B1

TITLE: Inhibition of UV-induced immune suppression and interleukin-10 production by cytoprotective tamarind oligosaccharides

DATE-ISSUED: June 26, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Strickland; Faith	Galveston	TX		
Pelley; Ronald	Galveston	TX		
Albersheim; Peter	Athens	GA		
Darvill; Alan	Athens	GA		
Pauly; Markus	Frederiksberg			DKX
Eberhard; Stefan	Athens	GA		

US-CL-CURRENT: 514/54

Full	Title	Citation	Front	Review	Classification	Date	Reference
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RWMC	Draw Desc	Image
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☐ 7. Document ID: US 6190691 B1

L5: Entry 7 of 42

File: USPT

Feb 20, 2001

US-PAT-NO: 6190691

DOCUMENT-IDENTIFIER: US 6190691 B1

TITLE: Methods for treating inflammatory conditions

DATE-ISSUED: February 20, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mak; Vivien H. W.	Menlo Park	CA		

US-CL-CURRENT: 424/449; 514/859, 514/861, 514/863, 514/886, 514/887, 604/20

Full	Title	Citation	Front	Review	Classification	Date	Reference
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RWMC	Draw Desc	Image
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☐ 8. Document ID: US 6162432 A

L5: Entry 8 of 42

File: USPT

Dec 19, 2000

US-PAT-NO: 6162432

DOCUMENT-IDENTIFIER: US 6162432 A

TITLE: Method of prophylaxis or treatment of antigen presenting cell driven skin conditions using inhibitors of the CD2/LFA-3 interaction

DATE-ISSUED: December 19, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wallner; Barbara P.	Weston	MA		
Cooper; Kevin D.	Ann Arbor	MI		

US-CL-CURRENT: 424/154.1; 424/130.1, 424/133.1, 424/134.1, 424/135.1, 424/141.1,  
424/143.1, 424/144.1, 424/152.1, 424/153.1, 424/172.1, 424/173.1, 424/185.1,  
424/192.1, 514/15, 514/2, 514/8, 514/863, 514/888

Full	Title	Citation	Front	Review	Classification	Date	Reference
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Keyword	Draw Desc	Image
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☐ 9. Document ID: US 6147056 A

L5: Entry 9 of 42

File: USPT

Nov 14, 2000

US-PAT-NO: 6147056

DOCUMENT-IDENTIFIER: US 6147056 A

TITLE: Use of locally applied DNA fragments

DATE-ISSUED: November 14, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gilchrest; Barbara A.	Boston	MA		
Yaar; Mina	Sharon	MA		
Eller; Mark	Boston	MA		

US-CL-CURRENT: 514/44; 424/450, 514/43, 514/45, 514/46, 514/47

Full	Title	Citation	Front	Review	Classification	Date	Reference
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Keyword	Draw Desc	Image
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☐ 10. Document ID: US 6117846 A

L5: Entry 10 of 42

File: USPT

Sep 12, 2000

US-PAT-NO: 6117846

DOCUMENT-IDENTIFIER: US 6117846 A

TITLE: Nucleic acid filters

DATE-ISSUED: September 12, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Li; Yin-Xiong				

US-CL-CURRENT: 514/44; 424/59, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference
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Keyword	Draw Desc	Image
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☐ 11. Document ID: US 6103701 A

L5: Entry 11 of 42

File: USPT

Aug 15, 2000

US-PAT-NO: 6103701

DOCUMENT-IDENTIFIER: US 6103701 A

TITLE: Method for enhancing hematopoiesis with acyl deoxyribonucleosides

DATE-ISSUED: August 15, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
von Borstel; Reid Warren	Darnestown	MD	20874	
Bamat; Michael Kevin	Darnestown	MD	20874	

US-CL-CURRENT: 514/46; 514/45, 514/49, 514/50

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KMHC	Draw Desc	Image
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☐ 12. Document ID: US 6103689 A

L5: Entry 12 of 42

File: USPT

Aug 15, 2000

US-PAT-NO: 6103689

DOCUMENT-IDENTIFIER: US 6103689 A

TITLE: Methods of inducing hair growth and coloration

DATE-ISSUED: August 15, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gilchrest; Barbara A.	Brookline	MA		
Yaar; Mina	Sharon	MA		
Eller; Mark	Boston	MA		

US-CL-CURRENT: 514/2; 514/12, 514/880

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KMHC	Draw Desc	Image
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☐ 13. Document ID: US 6020322 A

L5: Entry 13 of 42

File: USPT

Feb 1, 2000

US-PAT-NO: 6020322

DOCUMENT-IDENTIFIER: US 6020322 A

TITLE: Acyl deoxyribonucleoside derivatives and uses thereof

DATE-ISSUED: February 1, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
von Borstel; Reid Warren	Darnestown	MD		
Bamat; Michael Kevin	Darnestown	MD		

US-CL-CURRENT: 514/50; 514/45, 514/49, 514/917

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 14. Document ID: US 6020320 A

L5: Entry 14 of 42

File: USPT

Feb 1, 2000

US-PAT-NO: 6020320

DOCUMENT-IDENTIFIER: US 6020320 A

TITLE: Acyl deoxyribonucleoside derivatives and uses thereof

DATE-ISSUED: February 1, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
von Borstel; Reid Warren	Kensington	MD		
Bamat; Michael Kevin	Chevy Chase	MD		

US-CL-CURRENT: 514/46; 514/45, 514/49, 514/50

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 15. Document ID: US 5962477 A

L5: Entry 15 of 42

File: USPT

Oct 5, 1999

US-PAT-NO: 5962477

DOCUMENT-IDENTIFIER: US 5962477 A

TITLE: Screening methods for cytokine inhibitors

DATE-ISSUED: October 5, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mak; Vivian	Menlo Park	CA		

US-CL-CURRENT: 514/327; 424/78.05

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 16. Document ID: US 5955059 A

L5: Entry 16 of 42

File: USPT

Sep 21, 1999

US-PAT-NO: 5955059

DOCUMENT-IDENTIFIER: US 5955059 A

TITLE: Use of locally applied DNA fragments

DATE-ISSUED: September 21, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gilchrest; Barbara A.	Brookline	MA		
Eller; Mark	Boston	MA		
Yaar; Mina	Sharon	MA		

US-CL-CURRENT: 424/59; 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KMNC	Draw Desc	Image
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☐ 17. Document ID: US 5922758 A

L5: Entry 17 of 42

File: USPT

Jul 13, 1999

US-PAT-NO: 5922758

DOCUMENT-IDENTIFIER: US 5922758 A

TITLE: Methods and compositions employing 2,4-dienoic acid esters of tocopherols to prevent or reduce skin damage

DATE-ISSUED: July 13, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bissett; Donald L.	Hamilton	OH		

US-CL-CURRENT: 514/458

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KMNC	Draw Desc	Image
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☐ 18. Document ID: US 5893515 A

L5: Entry 18 of 42

File: USPT

Apr 13, 1999

US-PAT-NO: 5893515

DOCUMENT-IDENTIFIER: US 5893515 A

TITLE: Mist generator

DATE-ISSUED: April 13, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hahn; Gary S.	Cardiff By The Sea	CA	92007	
Williams; David R.	Temecula	CA		

US-CL-CURRENT: 239/7; 239/215, 239/216, 239/223, 239/289, 239/333

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KMNC	Draw Desc	Image
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☐ 19. Document ID: US 5880076 A

L5: Entry 19 of 42

File: USPT

Mar 9, 1999



US-PAT-NO: 5880076

DOCUMENT-IDENTIFIER: US 5880076 A

TITLE: Compositions comprising glycacarbamate and glycaurea compounds

DATE-ISSUED: March 9, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vermeer; Robert	Nutley	NJ		

US-CL-CURRENT: 510/123; 510/119, 510/126, 510/128, 510/130, 510/136, 510/137, 510/138,  
510/141, 510/155, 510/156, 510/158, 510/159, 510/433, 510/501, 560/160

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 20. Document ID: US 5879688 A

L5: Entry 20 of 42

File: USPT

Mar 9, 1999

US-PAT-NO: 5879688

DOCUMENT-IDENTIFIER: US 5879688 A

TITLE: Hydroxy-acid cosmetics

DATE-ISSUED: March 9, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Coury; Arthur J.	Boston	MA		
Avila; Luis Z.	Arlington	MA		
Pathak; Chandrashekhar P.	Waltham	MA		
Barman; Shikha P.	Lowell	MA		

US-CL-CURRENT: 424/401; 424/405, 424/406, 424/45, 424/59, 424/65, 424/73, 424/78.02,  
424/78.03, 424/78.06, 424/78.07, 514/772.1, 514/772.3, 514/772.4, 514/772.5,  
514/772.7, 514/778, 514/830, 514/887, 514/919, 514/945, 514/947, 514/969, 525/411,  
525/443, 525/450

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 21. Document ID: US 5877204 A

L5: Entry 21 of 42

File: USPT

Mar 2, 1999

US-PAT-NO: 5877204

DOCUMENT-IDENTIFIER: US 5877204 A

TITLE: Compounds containing a michael-acceptor, especially maleimide or maleic acid derivatives, directly or indirectly linked to a chromophore and their use in long lasting sunscreen compositions

DATE-ISSUED: March 2, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Davison; Bruce Everett	London			GB3
Jones; Bryan Colin Nicholas Morgan	Dyfed			GB3
Ganellin; Charon Robin	Hertfordshire			GB3
Bishop; Paul Beaumont	London			GB3
Jack; David	Hertfordshire			GB3

US-CL-CURRENT: 514/425; 514/563, 548/545

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 22. Document ID: US 5861277 A

L5: Entry 22 of 42

File: USPT

Jan 19, 1999

US-PAT-NO: 5861277

DOCUMENT-IDENTIFIER: US 5861277 A

TITLE: Methods and compositions for enhancing the expression of genes in plants

DATE-ISSUED: January 19, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rose; Alan B.	Davis	CA		
Last; Robert L.	Ithaca	NY		

US-CL-CURRENT: 435/69.1; 435/127, 435/132, 435/320.1, 435/41, 435/410, 435/419, 435/71.1, 514/2, 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 23. Document ID: US 5846531 A

L5: Entry 23 of 42

File: USPT

Dec 8, 1998

US-PAT-NO: 5846531

DOCUMENT-IDENTIFIER: US 5846531 A

TITLE: Marine mela gene

DATE-ISSUED: December 8, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Weiner; Ronald M.	Adelphi	MD		
Fuqua, Jr.; William Claiborne	San Antonio	TX		

US-CL-CURRENT: 424/94.4; 435/189

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 24. Document ID: US 5770582 A

L5: Entry 24 of 42

File: USPT

Jun 23, 1998

US-PAT-NO: 5770582

DOCUMENT-IDENTIFIER: US 5770582 A

TITLE: Pharmaceutical compositions containing deoxyribonucleosides for wound healing

DATE-ISSUED: June 23, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
von Borstel; Reid Warren	Kensington	MD		
Bamat; Michael Kevin	Chevy Chase	MD		

US-CL-CURRENT: 514/45; 514/46, 514/47, 514/48, 514/49, 514/50, 514/51, 514/944,  
514/969

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 25. Document ID: US 5753612 A

L5: Entry 25 of 42

File: USPT

May 19, 1998

US-PAT-NO: 5753612

DOCUMENT-IDENTIFIER: US 5753612 A

TITLE: Pharmaceutical composition and method for inhibiting hair growth by  
administration of activin or activin agonists

DATE-ISSUED: May 19, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mitrani; Eduardo	Newton	MA		

US-CL-CURRENT: 514/2; 514/12, 514/8, 514/880, 514/887, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 26. Document ID: US 5739156 A

L5: Entry 26 of 42

File: USPT

Apr 14, 1998

US-PAT-NO: 5739156

DOCUMENT-IDENTIFIER: US 5739156 A

TITLE: Methods of using 2,4-dienoic acid esters of tocopherols to reduce free radical damage in mammalian cells

DATE-ISSUED: April 14, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bissett; Donald Lynn	Hamilton	OH		

US-CL-CURRENT: 514/458

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 27. Document ID: US 5731303 A

L5: Entry 27 of 42

File: USPT

Mar 24, 1998

US-PAT-NO: 5731303

DOCUMENT-IDENTIFIER: US 5731303 A

TITLE: Transdermal and trans-membrane delivery compositions

DATE-ISSUED: March 24, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hsieh; Dean	Brandamore	PA		

US-CL-CURRENT: 514/183; 514/431, 514/449, 514/450, 514/946, 514/947

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 28. Document ID: US 5696160 A

L5: Entry 28 of 42

File: USPT

Dec 9, 1997

US-PAT-NO: 5696160

DOCUMENT-IDENTIFIER: US 5696160 A

TITLE: Topical composition enhancing healing of viral lesions

DATE-ISSUED: December 9, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Miller; Bruce W.	Tierra Verde	FL		
Kronenthal; Richard L.	Fair Lawn	NJ		

US-CL-CURRENT: 514/513; 514/934

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 29. Document ID: US 5658956 A

L5: Entry 29 of 42

File: USPT

Aug 19, 1997

US-PAT-NO: 5658956

DOCUMENT-IDENTIFIER: US 5658956 A

TITLE: Bioadhesive-wound healing compositions and methods for preparing and using same

DATE-ISSUED: August 19, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Martin; Alain	Ringoes	NJ		
Leung; Sau-Hung S.	Parsippany	NJ		

US-CL-CURRENT: 514/724; 424/445, 424/446, 424/447, 424/DIG.13, 514/458, 514/725,  
514/886, 514/887, 514/904, 514/969

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KNOW	Draw Desc	Image
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☐ 30. Document ID: US 5643556 A

L5: Entry 30 of 42

File: USPT

Jul 1, 1997

US-PAT-NO: 5643556

DOCUMENT-IDENTIFIER: US 5643556 A

TITLE: Stimulation of tanning by DNA fragments or single-stranded DNA

DATE-ISSUED: July 1, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gilchrest; Barbara A.	Brookline	MA		
Yaar; Mina	Sharon	MA		
Eller; Mark	Boston	MA		

US-CL-CURRENT: 424/59; 424/450, 424/520, 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KNOW	Draw Desc	Image
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☐ 31. Document ID: US 5629314 A

L5: Entry 31 of 42

File: USPT

May 13, 1997

US-PAT-NO: 5629314

DOCUMENT-IDENTIFIER: US 5629314 A

TITLE: Methods and compositions for reducing pyrimidine photoproducts

DATE-ISSUED: May 13, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gaskin; Frances C.	Albany	NY	12210	

US-CL-CURRENT: 514/256; 424/59, 424/60, 514/269, 514/937, 514/938, 514/939, 514/944,  
514/969

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KNOW	Draw Desc	Image
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☐ 32. Document ID: US 5618850 A

L5: Entry 32 of 42

File: USPT

Apr 8, 1997

US-PAT-NO: 5618850

DOCUMENT-IDENTIFIER: US 5618850 A

TITLE: Hydroxy-acid cosmetics

DATE-ISSUED: April 8, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Coury; Arthur J.	Boston	MA		
Avila; Luis Z.	Arlington	MA		
Pathak; Chandrashekhar P.	Waltham	MA		
Barman; Shikha P.	Lowell	MA		

US-CL-CURRENT: 514/772.2; 424/401, 424/45, 424/59, 424/65, 424/78.02, 424/78.03,  
424/78.06, 424/78.07, 514/772.1, 514/772.3, 514/772.4, 514/772.5, 514/772.7, 514/778,  
514/781, 514/830, 514/844, 514/847, 514/852, 514/863, 514/865, 514/887, 514/919,  
514/945, 514/969

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KMIC	Draw Desc	Image
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☐ 33. Document ID: US 5580547 A

L5: Entry 33 of 42

File: USPT

Dec 3, 1996

US-PAT-NO: 5580547

DOCUMENT-IDENTIFIER: US 5580547 A

TITLE: Stimulation of tanning by DNA fragments or single-stranded DNA

DATE-ISSUED: December 3, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gilchrest; Barbara A.	Brookline	MA		
Yaar; Mina	Sharon	MA		
Eller; Mark	Boston	MA		

US-CL-CURRENT: 424/59; 424/450, 424/520, 424/561, 514/43, 514/44, 514/788.1

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KMIC	Draw Desc	Image
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☐ 34. Document ID: US 5532001 A

L5: Entry 34 of 42

File: USPT

Jul 2, 1996

US-PAT-NO: 5532001

DOCUMENT-IDENTIFIER: US 5532001 A

TITLE: Stimulation of tanning by DNA fragments or single-stranded DNA

DATE-ISSUED: July 2, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gilchrest; Barbara A.	Brookline	MA		
Yaar; Mina	Sharon	MA		
Eller; Mark	Boston	MA		

US-CL-CURRENT: 424/450; 424/520, 424/561, 424/59

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 35. Document ID: US 5470577 A

L5: Entry 35 of 42

File: USPT

Nov 28, 1995

US-PAT-NO: 5470577

DOCUMENT-IDENTIFIER: US 5470577 A

TITLE: Stimulation of tanning by DNA fragments or single-stranded DNA

DATE-ISSUED: November 28, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gilchrest; Barbara A.	Brookline	MA		
Yaar; Mina	Sharon	MA		
Eller; Mark	Boston	MA		

US-CL-CURRENT: 424/450; 424/520, 424/561, 424/59, 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 36. Document ID: US 5462963 A

L5: Entry 36 of 42

File: USPT

Oct 31, 1995

US-PAT-NO: 5462963

DOCUMENT-IDENTIFIER: US 5462963 A

TITLE: Chelator compositions comprising .alpha.-diamine compounds

DATE-ISSUED: October 31, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bush; Rodney D.	Fairfield	OH		
Bissett; Donald L.	Hamilton	OH		

US-CL-CURRENT: 514/248; 424/59, 514/249, 514/252.01, 514/252.02, 514/252.03,  
514/252.04, 514/252.05, 514/255.05, 514/266, 514/269, 514/308, 514/364, 514/378,  
514/381, 514/397, 514/406, 514/438, 514/444, 514/471, 514/640, 544/237, 544/238,  
544/264, 544/296, 544/353, 544/357, 546/140, 548/125, 548/247, 548/252, 548/314.4,  
548/365.4, 548/518, 549/472, 549/492, 549/59, 549/60, 564/253, 564/256, 564/265

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 37. Document ID: US 5380754 A

L5: Entry 37 of 42

File: USPT

Jan 10, 1995

US-PAT-NO: 5380754

DOCUMENT-IDENTIFIER: US 5380754 A

TITLE: Topical composition enhancing healing of viral lesions

DATE-ISSUED: January 10, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Miller; Bruce W.	Tierra Verde	FL		
Kronenthal; Richard L.	Fair Lawn	NJ		

US-CL-CURRENT: 514/513; 514/934

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 38. Document ID: US 5364617 A

L5: Entry 38 of 42

File: USPT

Nov 15, 1994

US-PAT-NO: 5364617

DOCUMENT-IDENTIFIER: US 5364617 A

TITLE: Chelator compositions comprising oxime compounds

DATE-ISSUED: November 15, 1994

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bush; Rodney D.	Fairfield	OH		
Bissett; Donald L.	Hamilton	OH		
Chatterjee; Ranjit	Cincinnati	OH		

US-CL-CURRENT: 424/59; 514/461, 514/473, 549/473

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 39. Document ID: US 5346132 A

L5: Entry 39 of 42

File: USPT

Sep 13, 1994



US-PAT-NO: 5346132

DOCUMENT-IDENTIFIER: US 5346132 A

TITLE: Mist generator

DATE-ISSUED: September 13, 1994

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hahn; Gary S.	Cardiff by the Sea	CA	92007	
Williams; David R.	San Diego	CA		

US-CL-CURRENT: 239/71; 222/113, 222/325, 239/215, 239/221, 239/222, 239/323, 239/333,  
604/300

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 40. Document ID: US 5246708 A

L5: Entry 40 of 42

File: USPT

Sep 21, 1993

US-PAT-NO: 5246708

DOCUMENT-IDENTIFIER: US 5246708 A

TITLE: Methods for promoting wound healing with deoxyribonucleosides

DATE-ISSUED: September 21, 1993

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
von Borstel; Reid W.	Kensington	MD		
Bamat; Michael K.	Chevy Chase	MD		

US-CL-CURRENT: 424/450; 514/43, 514/45, 514/46, 514/47, 514/48, 514/49, 514/50,  
514/51, 514/52

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 41. Document ID: US 4975272 A

L5: Entry 41 of 42

File: USPT

Dec 4, 1990

US-PAT-NO: 4975272

DOCUMENT-IDENTIFIER: US 4975272 A

TITLE: Method of and composition for the prevention of solar radiation  
exposure-induced formation of carcinogenic skin lipid degradation products

DATE-ISSUED: December 4, 1990

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Voyt; Walter F.	Joliet	IL	60435	

US-CL-CURRENT: 424/59; 424/60, 514/844, 514/847, 514/886, 514/887, 514/937, 514/938

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 42. Document ID: US 6117846 A, WO 9601617 A1, AU 9530046 A

L5: Entry 42 of 42

File: DWPI

Sep 12, 2000

DERWENT-ACC-NO: 1996-097431

DERWENT-WEEK: 200046

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TITLE: Filters to protect against genetic hazard UV radiation - comprise a nucleic acid barrier, e.g. as a cream, fibre or as glasses

INVENTOR: LI, Y; SHI, E

PRIORITY-DATA: 1994US-0272096 (July 8, 1994), 1997US-0939858 (September 29, 1997)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 6117846 A	September 12, 2000		000	A61K007/42
WO 9601617 A1	January 25, 1996	E	037	A61K007/42
AU 9530046 A	February 9, 1996		000	A61K007/42

INT-CL (IPC): A01N 43/04; A61K 7/42; A61K 31/70; C07H 21/04

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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Terms	Documents
13 and 14	42

Documents, starting with Document:

Display Format:

Print selected from Online sessionPage 1

FILE 'BIOSIS, EMBASE, CAPLUS, CANCERLIT, MEDLINE' ENTERED AT 10:35:38 ON  
16 JAN 2002

L1	354 S SUNSCREEN FORMULATION?
L2	9 S L1 AND (NUCLEIC ACID? OR DNA)
L3	5 DUP REM L2 (4 DUPLICATES REMOVED)
L4	187 S L1 AND ULTRAVIOLET
L5	154 DUP REM L4 (33 DUPLICATES REMOVED)
L6	86 S L5 AND (DAMAGE OR PROTECT?)
L7	3 S L6 AND (NUCLEIC ACID? OR DNA)

> d l3 1-5 ti abs ibib

L3 ANSWER 1 OF 5 BIOSIS COPYRIGHT 2002 BIOSIS DUPLICATE 1  
TI Sunscreens, skin photobiology, and skin cancer: The need for UVA protection and evaluation of efficacy.  
AB Sunscreens are ultraviolet radiation (UVR)-absorbing chemicals that attenuate the amount and nature of UVR reaching viable cells in the skin. They are selected and tested for their ability to prevent erythema. No sunscreen prevents photodamage, as it has been demonstrated that suberythral doses of UVR cause a variety of molecular changes (including DNA damage) in these cells. Furthermore, the spectrum of UVR reaching viable cells is altered by topically applied sunscreen. In this review, the basic aspects of sunscreens and skin photobiology are reviewed briefly. Although there can be no question concerning the efficacy of sunscreens for the prevention of erythema, questions remain because of the possible cumulative effects of chronic suberythral doses and the increased exposure of skin cells to longer UVR wavelengths. The current major issue surrounding sunscreens involves their ability to protect skin cells against the effects of UVA radiation. These UVA effects may be direct damage (base oxidations) or effects on the skin immune system, yet there is no uniformly accepted method for the evaluation of UVA protection. This review is focused primarily on the latter topic covering action spectra that implicate the need for UVA protection. In addition, in vivo and in vitro methods proposed for the evaluation of candidate **sunscreens** of UVA protective ability are reviewed. Finally, revisions in the terminology used to describe the protection afforded by sunscreens are suggested. It is proposed that SPF ("sun" protection factor) be renamed "sunburn" protection factor and that "critical wavelength" be designated "long wave index."

ACCESSION NUMBER: 2000:249253 BIOSIS  
DOCUMENT NUMBER: PREV200000249253  
TITLE: Sunscreens, skin photobiology, and skin cancer: The need for UVA protection and evaluation of efficacy.  
AUTHOR(S): Gasparro, Francis P. (1)  
CORPORATE SOURCE: (1) Photobiology Laboratory, Department of Dermatology and Cutaneous Biology, Thomas Jefferson University, 233 South 10th St., Bldg 428, Philadelphia, PA, 19107 USA  
SOURCE: Environmental Health Perspectives, (March, 2000) Vol. 108, No. Suppl. 1, pp. 71-78.  
ISSN: 0091-6765.  
DOCUMENT TYPE: General Review  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L3 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS  
TI Transgenic animals having modified hedgehog signal transduction for therapeutic applications in cancer therapy and **sunscreens**  
**formulations**  
AB The present invention provides transgenic animals in which the normal biol. function of one or more tumor suppressors of the patched gene family (herein "ptc gene") have been functionally inactivated such that, while viable at birth and into adulthood, the animal can be induced to form basal cell carcinomas at a significantly higher frequency relative to the wild-type animal, as for example, upon exposure to DNA damaging agents such as non-ionizing (e.g., UV) or ionizing radiation. Patched gene disruption was achieved by crossing over and homologous recombination and insertion recombination. As described in the pending examples, the heterozygous ptc knockout mice are viable at birth, but are susceptible to higher incidence of cancers when contacted with DNA damaging agents. A salient feature of these animals is that the mice can be induced to form basal cell carcinomas which, histol., are similar to BCC in humans. These transgenic animals have a heterozygous patched

loss-of-function phenotype or heterozygous smoothened gain-of-function phenotype. Homozygous animals are also generated. Hyperproliferative skin cell growth is monitored in the presence of an anti-proliferative test agent in patched +/- mice. This Hh-Ptc pathway may provide new diagnostic tools and new insights into tumorigenesis that can be directed toward potential therapies.

ACCESSION NUMBER: 1999:764163 CAPLUS  
 DOCUMENT NUMBER: 131:347484  
 TITLE: Transgenic animals having modified hedgehog signal transduction for therapeutic applications in cancer therapy and **sunscreen formulations**  
 INVENTOR(S): Epstein, Ervin, Jr.; Scott, Matthew P.  
 PATENT ASSIGNEE(S): The Board of Trustees of the Leland S. Stanford, Jr. University, USA; The Regents of the University of California  
 SOURCE: PCT Int. Appl., 68 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9961582	A2	19991202	WO 1999-US11983	19990528
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9943215	A1	19991213	AU 1999-43215	19990528
PRIORITY APPLN. INFO.: US 1998-87314 P 19980529				
WO 1999-US11983 W 19990528				

L3 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2002 ACS  
 TI Guanine: an old physical filter  
 AB A review, with no refs., discussing sunscreens and the discovery that guanine, alone of all the **nucleic acid** bases, has phys. properties that make it suitable for incorporation into **sunscreen formulations**.

ACCESSION NUMBER: 1996:222832 CAPLUS  
 DOCUMENT NUMBER: 124:352249  
 TITLE: Guanine: an old physical filter  
 AUTHOR(S): Torti, Ernesto  
 CORPORATE SOURCE: Italy  
 SOURCE: Cosmet. News (1995), 18(105), 398-9  
 CODEN: COSNDG  
 DOCUMENT TYPE: Journal; General Review  
 LANGUAGE: Italian

L3 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS  
 TI Enhancement of **DNA** repair of UV damage in mouse and human skin by liposomes containing a **DNA** repair enzyme  
 AB The **DNA** repair enzyme T4 endonuclease V was encapsulated in liposomes to enhance repair of pyrimidine dimers formed in **DNA** by UV. Addn. of the liposomes to human epidermal keratinocytes in culture increased the removal of **DNA** damage, as measured by loss of endonuclease-sensitive sites, and enhanced **DNA** repair synthesis,

as measured by an increase in unscheduled **DNA** synthesis. Topical treatment of UV-irradiated SKH-1 hairless mice with liposomes increased the removal of pyrimidine dimers from epidermal **DNA**. The results demonstrate that topical application of liposomes contg. T4 endonuclease V may enhance **DNA** repair when applied to lotion either before or after UV exposure. The results suggest that liposomes contg. T4 endonuclease V can be included in either **sunscreen formulations** or in cosmetic prepsns. for regular use to repair **DNA** damage from exposure to solar UV.

ACCESSION NUMBER: 1990:558438 CAPLUS  
DOCUMENT NUMBER: 113:158438  
TITLE: Enhancement of **DNA** repair of UV damage in mouse and human skin by liposomes containing a **DNA** repair enzyme  
AUTHOR(S): Yarosh, Daniel B.; Tsimis, Jeannie; Yee, Vivien  
CORPORATE SOURCE: Appl. Genet. Inc., Freeport, NY, 11520, USA  
SOURCE: J. Soc. Cosmet. Chem. (1990), 41(1), 85-92  
CODEN: JSCCA5; ISSN: 0037-9832  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L3 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS

TI Sunscreen predictive assays. Alternative assays that measure the ability of different sunscreens to protect against epidermal and dermal effects of ultraviolet irradiation

AB The mouse epidermal **DNA** synthesis, the mouse epidermal ornithine decarboxylase (ODC) [9024-60-6], the mouse skin edema, the spectrophotometric absorption, and the human sun protection factor (SPF) assays were used to evaluate 4 **sunscreen formulations** (Total Eclipse 15, PreSun 15, PreSun 8, and Homosalate). The mouse epidermal **DNA** synthesis assay showed that p-aminobenzoic acid ester-contg. sunscreens (Total Eclipse) was less protective for UV effect on epidermal **DNA** than p-aminobenzoic acid [150-13-0]-contg. sunscreens (PreSun 15). The SPF predicted by the ODC assay correlated well with human erythema SPF, mouse skin edema and in vitro spectrophotometric absorption.

ACCESSION NUMBER: 1983:204193 CAPLUS  
DOCUMENT NUMBER: 98:204193  
TITLE: Sunscreen predictive assays. Alternative assays that measure the ability of different sunscreens to protect against epidermal and dermal effects of ultraviolet irradiation  
AUTHOR(S): Lowe, Nicholas J.; Breeding, James  
CORPORATE SOURCE: Sch. Med., UCLA, Los Angeles, CA, USA  
SOURCE: Cosmet. Toiletries (1983), 98(3), 65-8  
CODEN: CTOIDG; ISSN: 0361-4387  
DOCUMENT TYPE: Journal  
LANGUAGE: English